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Gouxia nom. n., a replacement name of a genus group taxon in the order Hemiptera

(Coccoidea, Pseudococcidae)

Ahmet Ömer Kocak Muhabbet Kemal

Abstract: Gouxia nom. n., a replacement name of a genus group taxon in the order Hemiptera (Coccoidea, Pseudococcidae). Cent. ent. Stud., Misc. Pap. 149: 1.

In this short nomenclatural note, a replacement name, Gouxia (nom.n.) is proposed for the preoccupied genus name Giraudia Goux, 1989 from France.

Key words: Hemiptera, Coccoidea, Pseudococcidae, Giraudia, Gouxia, nomenclature.

Coccoidea **Pseudococcidae**

Gouxia nom. n.

Within the frame of the Entomofauna projects by the Cesa¹, we noticed that the genus name Giraudia proposed by Goux in 19892 is invalid as being junior homonym of Giraudia Förster, 1869 (Verh. naturh. Ver. Rheinl., 25: 184) (Hymenoptera), and also Giraudia Bourguignat, 1885 (Not. Prodr. Moll. Giraud Tanganika: 11) (Mollusca). Under the Rules of the Homonymy (ICZN,1999)³, a junior homonym name cannot be treated as valid. In the current literature, the genus name Giraudia Goux,1989 is used as valid 4, 5, 6. The name has no synonym; therefore we propose here a replacement name Gouxia nomen novum for Giraudia Goux,1989 nec Förster,1869 non Bourguignat, 1885. The new name is dedicated to the author, who established 20 generic names in Hemiptera between the years of 1933 and 1990; but nobody proposed a genus name after Mr. Goux, so far.

The necessary name combination is proposed below: Gouxia danielaferreroae (Goux,1989) (comb.n.) France.

http://www.cesa-tr.org/Cesaprojects.htm http://www.cesa-tr.org/Entomofauna.htm
 Description d'une cochenille nouvelle de la region lyonnaise, constituant un genre nouveau proche des Planococcini (Homoptera Coccoidea, Pseudococcidae) (47e note sur les coccides de France). Bulletin Mensuel de la Societe Linneenne de Lyon, 58 (9) 1989: 291-

³ International Commission on Zoological Nomenclature (1999) International Code of Zoological Nomenclature. Fourth Edition. The International Trust for Zoological Nomenclature, London, 306 pp.

⁴ http://www.biolib.cz/en/taxonposition/id423030/

⁵ http://www.faunaeur.org/full results.php?id=98584

⁶ http://www.eol.org/pages/86238

Nomenclatural notes on the genus group names in *Orthoptera*

Ahmet Ömer Koçak Muhabbet Kemal

Abstract: Nomenclatural notes on the genus group names in *Orthoptera*. Cent. ent. Stud., Misc. Pap. 149: 2-4.

In this paper, following new names are proposed for the pre-occupied genus group names in various orthopteran families. The preoccupied generic names are: Oxystethus Redtenbacher,1891, Encalypta Redtenbacher,1891, Habra Brunner von Wattenwyl, 1891, Hellerina Galvagni,2006, Cophus Saussure,1874, Dhofaria Koçak & Kemal, 2008. The proposed replacement names are: Unalianus nom. n., Cesacomora nom. n., Cesasundana nom. n. (Tettigoniidae), and Otteius nom. n. (Gryllidae). Hellerina Galvagni,2006 (Raphidophoridae) is reported for the first time as junior homonym. Dhofaria Koçak & Kemal, 2008 (Pamphagidae) is invalidated.

Key words: *Orthoptera*, nomenclature, Indo-China, Indonesia, Comoro, Madagascar, Malaysia, Borneo, Cuba, Dhofar.

Within the frame of the Entomofauna projects by the Cesa⁷, the following genus group names in the order *Orthoptera*, recorded as invalid as a result of the nomenclatural surveys carried out by the authors in the last years. In the present paper, totally 6 invalid genus group names are evaluated nomenclaturally. As a result of this, four replacement names are proposed: *Unalianus* nom. n., *Cesacomora* nom. n., *Cesacomora* nom. n., *Cesacomora* nom. n., *Cesacomora* nom. n. (*Gryllidae*). Separately, *Hellerina* Galvagni,2006 (*Raphidophoridae*) is reported for the first time as junior homonym. *Dhofaria* Koçak & Kemal, 2008 (*Pamphagidae*) is invalidated, as it is junior synonym and homonym of *Dhofaria* Popov,1985.

Tettigoniidae

Conocephalinae Agraecini

Unalianus nom. n.

The genus name in the family *Tettigoniidae*, *Oxystethus* Redtenbacher,1891 (Verh. zool.- bot. Ges. Wien 41: 441) is invalid, as it is junior homonym of *Oxystethus* Fairmaire 1883 (Le Naturaliste 2 (30): 238) (*Coleoptera*). There is no nomenclaturally available synonym of *Oxystethus* Redtenbacher; therefore we propose a replacement name for it, *Unalianus* nom. n., after the name Dr. Mustafa Ünal, a Turkish Orthopterist, due to his numerous important taxonomical publications.

The necessary name combinations are proposed below:

Unalianus harmandi (Brongniart, 1897) (comb.n.) Thailand. Unalianus heteracanthus (Redtenbacher, 1891) (comb.n.) Indo-China. Unalianus homoeacanthus (Redtenbacher, 1891) (comb.n.) Cambodia. Unalianus intermedius (Redtenbacher, 1891) (comb.n.) Java. Unalianus intermedius ssp. brevipennis (Redtenbacher, 1891) (comb.n.)

⁷ http://www.cesa-tr.org/Cesaprojects.htm http://www.cesa-tr.org/Entomofauna.htm

Cesacomora nom. n.

The genus name in the family *Tettigoniidae*, *Encalypta* Redtenbacher,1891 (Verh. zool.- bot. Ges. Wien 41: 332) is invalid, as it is junior homonym of *Encalypta* Möschler,1890 (Abh. Senckenberg. Ges. 16 (1): 147) (*Lepidoptera*). There is no nomenclaturally available synonym of *Encalypta* Redtenbacher; therefore we propose a replacement name for it, *Cesacomora* nom. n. Derivation of the new name is a combination, created with an institutional name and the Comoro Isl.

The necessary name combinations are proposed below:

Cesacomora comorana (Chopard, 1958) (comb.n.) Comoro Isl. Cesacomora cucullata (Redtenbacher, 1891) (comb.n.) Madagascar.

Phaneropterinae

Cesasundana nom. n.

Habra Brunner von Wattenwyl, 1891 is invalid, as it is junior homonym of Habra Agassiz,1846 (Nomen. Zool. Index Univ.) (Mollusca) (Range: Greater Sunda Islands). There is no nomenclaturally available synonym of Habra Brunner von Wattenwyl, 1891; therefore we propose a replacement name for it, Cesasundana nom. n. Derivation of the new name is a combination, created with an institutional and the name of the Islands.

The necessary name combinations are proposed below:

Cesasundana producta (Karny, 1926) (comb.n.) Malaysia, Java. Cesasundana securifera (Brunner von Wattenwyl, 1891) (comb.n.) Borneo.

Raphidophoridae

Dolichopoda (Dolichopoda) Bolivar, 1880

Hellerina Galvagni,2006 was recently synonymized with the nominate *Dolichopoda* Bolivar,1880 by Rampini & di Russo, 2008 (Fragmenta Ent. 40 (2): 229). Moreover, the name *Hellerina* Galvagni,2006 is also junior homonym of *Hellerina* Dworakowka,1972 (Bull. Acad. pol. Sci. Ser. Sci. biol. 20: 849) in *Hemiptera* (hom. n.)

Gryllidae

Otteius nom. n.

The genus name in the family *Gryllidae*, *Cophus* Saussure,1874 (Mission scientifique au Méxique et dans l'Amérique centrale 6: 454) is invalid, as it is junior homonym of *Cophus* Gistl,1848 (Nat. Thierr., 144.) (*Hymenoptera*), and *Cophus* Agassiz,1846 (Nomen. Zool. Index Univ.) (*Coleoptera*). There is no nomenclaturally available synonym of *Cophus* Saussure,1874; therefore, we propose a replacement name for it, *Otteius* nom. n., after the name Mr. Daniel Otte, who founder and principal author of the *Orthoptera Species File Online*.

The necessary name combination is proposed below:

Otteius thoracicus (Saussure, 1874) (comb.n.) Cuba.

On the other hand, establishment of new tribal name, due to the homonymy of *Cophusini* Ruíz-Baliú & Otte, 1997, is necessary. Therefore we propose here a replacement name Otteiini nom. n. for Cophusini Ruíz-Baliú & Otte, 1997, based upon the genus name Otteius by us.

Pamphagidae

Akicerinae **Thrinchini**

Dhofaria Popov,1985

- =Omania Popov,1980 nec Horvath,1915
- =Dhofaria Popov, 1985, J. Oman Studies 8 (1): 73.
- =Dhofaria Koçak & Kemal,2008

Recently proposed *Dhofaria* Koçak & Kemal, 2008 (Cent. Ent. Stud., Misc. Pap. 141:3) is invalid and it is junior synonym and homonym of *Dhofaria* Popov,1985 (syn.n., hom. n.). The name *Dhofaria* Popov, 1985 was overlooked in the Zoologicus Nomenclator and *Orthoptera* species online.

A replacement name in the family *Pyrgotidae* (*Diptera*)

Ahmet Ömer Koçak Muhabbet Kemal

Abstract: A replacement name in the family Pyrgotidae (Diptera). Cent. ent. Stud., Misc. Pap. 149:

In this short nomenclatural note, a preoccupied generic name, Nicholsonia Malloch,1929 is discussed from the nomenclatural standpoint, and a replacement name Korneyevia (nom. n.) is

Key words: Diptera, Pyrgotidae, Nicholsonia, Korneyevia, nomenclature, Australia.

Pyrgotidae

Korneyevia nom. n.

The generic name Nicholsonia Malloch,1929 ([in] Bezzi, Proc. Linn. Soc. N.S. Wales, 54, 31) (Diptera, Pyrgotidae) is invalid, as it is junior homonym of Nicholsonia Tutt 1902 (Nat. Hist. Brit. Lep., 3: 386) (Lepidoptera), Nicholsonia Davis 1885 (Kentucky Foss. Cor. 2: pl. lxxviii) (Bryozoa), Nicholsonia Schlueter 1885 (Cat. Expos. géol. Congr. géol. internat., (3rd sess.) Berlin: 53) (Coelenterata), Nicholsonia Waagen & Wentzel 1886 (Pal. Indica, (13) 1 (6): 874) (Bryozoa), Nicholsonia Kiaer,1899 (Palaeontogr. 46 (1/2): 37) (Coelenterata). Under the Rules of the Homonymy (ICZN,1999)⁸, a junior homonym name cannot be treated as valid. Currently, the genus name Nicholsonia Malloch,1929 is used as valid.9 The name has no nomenclaturally available

⁸ International Commission on Zoological Nomenclature (1999) International Code of Zoological Nomenclature. Fourth Edition. The International Trust for Zoological Nomenclature, London. 306 pp.

⁹ http://www.environment.gov.au/biodiversity/abrs/online-resources/fauna/afd/taxa/TEPHRITOIDEA/names [last updated October 8, 2008]

synonym; therefore we propose here a replacement name, *Korneyevia* nom. n. for *Nicholsonia* Malloch.1929 nec other authors.

The new name is dedicated to Dr. Valery Korneyev (Kiev), due to his valuable taxonomical studies on the family *Pyrgotidae*.

The necessary name combination is proposed below: *Korneyevia curvinervis* (Bezzi, 1929) **(comb.n.)** Australia.

Description of taxa in the family *Tettigoniidae* from South East Turkey (*Orthoptera*)

Ahmet Ömer Koçak Muhabbet Kemal

Abstract: Description of new taxa in the family *Tettigoniidae* from South East Turkey (*Orthoptera*). *Cent. ent. Stud., Misc. Pap.* 149: 5-6, 2 figs.

In this paper, a new subgenus *Erdemia* **subgen.n**. and a new species *Phaneroptera* (*Erdemia*) *erdemi* (**sp.n.**) are described in the subfamily *Phaneropterinae* (*Tettigoniidae*). Brief notes on the distribution and flight activity of the species are given.

Key words: Orthoptera, Tettigoniidae, Phaneropterinae, Phaneroptera, Erdemia, hackeri, erdemi, Turkey, description, new species, subgenus.

In this short paper, a new subgenus *Erdemia* subgen. n. is described below in the genus *Phaneroptera* Audinet-Serville,1831 (*Tettigoniidae*). Separately a new species *Phaneroptera* (*Erdemia*) *erdemi* (sp.n.) is described from Şirvan (Siirt Province) in South East Turkey. Short notes on the species of the subgenus *Erdemia* are mentioned.

Tettigoniidae

Phaneropterinae

Phaneroptera Audinet-Serville, 1831

Phaneroptera Audinet-Serville,1831, Ann. Sci. nat. Paris 22 (86): 158-159 (two species included). Type-species: *Gryllus falcata* Poda,1761, by subsequent designation under the plenary powers (Opinion 154; see Melville & Smith,1987).

In the nominate subgenus, two species *Phaneroptera nana* Fieber,1853 and *P. falcata* (Poda,1761) are well known in Turkey. The occurence of the third one, *P. sparsa* (Stal,1857) in Turkey is still doubtful (Ünal, 2007 ¹⁰; Infosystem of the Cesa ¹¹). The last species, *Phaneroptera hackeri* Harz,1988 is placed here in a separate subgenus, which is briefly described below:

Erdemia (subgen.n.)

Type-species: Phaneroptera hackeri Harz,1988, here designated.

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¹⁰ Ünal,M., 2007, Checklist of the Turkish Orthoptera. http://www.members.tripod.com/Cesa88/orthtr.htm

¹¹ Infosystem of the Cesa: http://www.cesa-tr.org/Infos.htm

Diagnostic features: Size, shape of the body and wings similar to nominate subgenus. However, in male, apical part of epiproct strongly developed and curved ventrally; cerci broadened apically; subgenital plate shaped in different form from all species of nominate subgenus.

Due to its several peculiar structures of the male genitalia, the species, *Phaneroptera hackeri* Harz,1988 is placed here in a separate subgenus in the genus *Phaneroptera*.

The generic name is proposed after Mr. Erdem Seven, who collected the specimens in South East Turkey.

Phaneroptera (Erdemia) hackeri Harz,1988 (Fig.1)

This species is confined to the mountainous region of South East Turkey. The species was described by Harz (1988) based upon the two specimens (male holotype and allotype) [examined]¹² collected from 12km west of Hakkari city at 1500m on 12.9.1985 by H.Hacker.

Phaneroptera (Erdemia) erdemi (sp.n.) (Fig.2)

The present new species is the second one in the subgenus *Erdemia*, and based upon the Holotype (A) and 3 BB (Paratypes) collected from Şirvan 1020m (Siirt Province) by Mr. Erdem Seven on 2.8.2009 (in coll. Cesa). It is easily distinguishable from *P. hackeri* by the shape of the ovipositor from the lateral view. The male genitalia of both species are similar. The phenology of adult stage is apparently from August to September. Adults are nocturnal, and attracted to lights (after E.Seven). More information on the morphology, distribution, behaviour and the ecology of these species is needed.

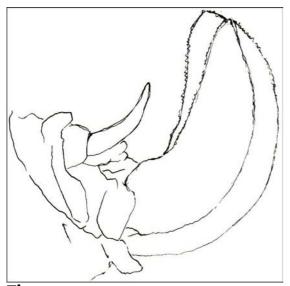


Fig.1 *Phaneroptera hackeri* -ovipositor

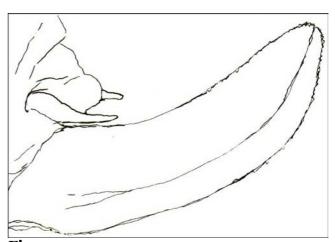


Fig. 2 *Phaneroptera erdemi* -ovipositor

Literature

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Harz, K., 1988, Eine neue Sichelschrecke (*Phaneroptera*) aus der Türkei (*Saltatoptera, Enifera, Tettigonniidae* [sic!], *Phaneropterinae*). – *Articulata* 3 (4): 137-138, 5 figs.

Melville, R.V. & J.D.D.Smith, 1987, *Official lists and indexes of names and works in Zoology.* The International Trust for Zoological Nomenclature c/o British Museum (Natural History) London.

¹²Eades,D.C. & D.Otte, 2009, Orthoptera Species File (Version 2.0/3.5). http://orthoptera.speciesfile.org/HomePage.aspx and http://orthoptera.speciesfile.org/Common/basic/ShowImage.aspx?TaxonNameID=6149&ImageID=20560 (latest access on 13rd Sept.,2009).

A generic replacement name in the family *Psyllidae* (*Hemiptera*)

Muhabbet Kemal Ahmet Ömer Koçak

Abstract: A generic replacement name in the family *Psyllidae* (*Hemiptera*). *Cent. ent. Stud., Misc. Pap.* 149: 7.

In this short nomenclatural note, a preoccupied generic name, nomenclatural status of *Acaerus* Loginova,1976 is discussed, and a replacement name *Shaerqia* (**nom. n**.) is proposed.

Key words: *Hemiptera, Psyllidae, Acaerus,* nomenclature, Central Asia.

Psyllidae

Shaerqia nom. n.

Within the frame of the Entomofauna projects by the Cesa¹³, we noticed that the genus name *Acaerus* Loginova,1976¹⁴ (Zool. Zh. 55: 612) is invalid as being junior homonym of *Acaerus* Pascoe,1882 (Ann. Mag. nat. Hist. (5) 10: 451) (*Coleoptera*). Under the Rules of the Homonymy (ICZN,1999)¹⁵, a junior homonym name cannot be treated as valid. Currently, the genus name *Acaerus* Loginova,1976 is used as valid.¹⁶ The name has no synonym; therefore we propose here a replacement name *Shaerqia* nom. n. for *Acaerus* Loginova,1976 nec *Acaerus* Pascoe,1882.

The necessary name combination is proposed below:

Shaerqia turkestanica (Loew,1881) (comb.n.) Central Asia, Daghestan (Caucasus).

C on tents: Koçak, A.Ö. & M.Kemal, Gouxia nom. n., a replacement name of a genus group taxon in the order Hemiptera (Coccoidea, Pseudococcidae), p.1 - Koçak, A.Ö. & M.Kemal, Nomenclatural notes on the genus group names in Orthoptera, p.2 - Koçak, A.Ö. & M.Kemal, A replacement name in the family Pyrgotidae (Diptera), p.4 - Koçak, A.Ö. & M.Kemal, Description of new taxa in the family Tettigoniidae from South East Turkey (Orthoptera), p.4 - Kemal, M. & A.Ö.Koçak, A generic replacement name in the family Psyllidae (Hemiptera), p.7 - Editorial, p.8.

¹³ http://www.cesa-tr.org/Cesaprojects.htm http://www.cesa-tr.org/Entomofauna.htm

¹⁴ http://www.faunaeur.org/full results.php?id=87522

¹⁵ International Commission on Zoological Nomenclature (1999) *International Code of Zoological Nomenclature. Fourth Edition.* The International Trust for Zoological Nomenclature, London. 306 pp.

¹⁶ http://www.biolib.cz/en/taxon/id422342/ [last access December 19, 2009]

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²² http://www.metafro.be/Members/Cesa/internet sayfas305/base view - pdf available

²³http://www.cesa-tr.org/Cesanews.htm pdf available

²⁴ http://www.cesa-tr.org/Cesabooks.htm